Contemporary Problems of Ecology 2015 vol.8 N4, pages 495-502

Peculiarities of maintaining the coenopopulation size of Hypericum perforatum L. on the dry meadow during the dry season

Dubrovnaya S., Mavlyudova L.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2015, Pleiades Publishing, Ltd. The mechanism making it possible to maintain the population size of Hypericum perforatum on a dry meadow in the Republic of Tatarstan during the dry seasons of 2010–2012 has been studied. On the dry meadow, the size of coenopopulation increases due to root sprouts. The development of ramets takes a long time and occurs as the conditions become optimal. Vegetative growth is not determined by weather or climatic factors during the season. The ontogenic structure of the population and the reproduction process are more dependent on weather and climatic factors of the season. The process of vegetative growth provides stable size and fluctuating types of coenopopulation dynamics.

http://dx.doi.org/10.1134/S1995425515040058

Keywords

Hypericum perforatum L, ontogenetic structure of coenopopulation, ramet, root sucker plant, vegetative growth